FSOP-BB1
Field Sampling with Preserved Bottles (i.e. H_2SO_4)
Total Phosphorus (TP)
Total Kjeldahl Nitrogen (TKN)
Ammonia Nitrogen (NH_3-N)
Nitrite-Nitrate Nitrogen (NO_2 + NO_3–N)

1. The following field procedures shall be followed for those sample containers with Sulfuric Acid (H_2SO_4) preservative.

2. The laboratory shall provide clean sample bottles of the appropriate size and type.

3. Ensure all bottles are labeled properly prior to sampling. Bottles for sampling in Buckeye Brook are preserved with H_2SO_4 and therefore the sample bottle cannot be used as a collection device.

4. Where there is flow or current, always approach the sampling location slowly from the downstream. Once you have reached the sampling location allow the water to return to a pre-disturbed condition.

5. Surface sampling with the water collection container (Maximum depth of 1 to1 ½ ft)
    - Remove cap from the collection container, taking care not to touch inside of the collection container mouth or cap.

    - Rinse the collection container with water by holding it by the bottom and plunging it mouth-first into the medium to about elbow depth. Your hand should always move in a forward motion to avoid water from sliding over your arm and into the container.

    - To fill the sample collection container, turn the mouth upward, bring it above the surface and empty the container. Rinse the collection container three times at each sampling location prior to transferring the collected sampled into the sample bottle containing the preservative.

    - Remove the cap from the sample container, taking care not to touch the inside of the container or cap. Be especially careful not to spill any of the preservative.

    - Carefully transfer the water from the collection container into the sample container. Repeat as required until the sample container is filled within one-half inch of the top, taking care NOT to overflow the container. Replace the cap on the sample container ensuring it is on tight to avoid any leakage of the sample. Replace the cap on the collection container.

    - Store the sample container in cooler. Add ice or freezer packs to cooler to maintain proper temperature (4 °C or less). Transport all samples to the appropriate laboratory as soon as possible or within 6 hours.